NuPRO-800 series

Dual Socket-370 Celeron/Pentium III Full-Size SBC with VGA/LCD/SCSI/Ethernet/DOC

CPU / Cache / FSB
- Dual Intel Socket 370 FC-PGA Pentium III up to 1G Hz, with 256KB on-die L2 cache @ full core speed & 100 MHz FSB
- Intel Socket 370 FC-PGA Celeron with 128KB on-die L2 cache @ full core speed & 66/100MHz FSB

Chipset
- Intel 440BX AGPset (Intel 82443BX and 82371EB)

BIOS: Award PnP BIOS
- BIOS write protection, provide anti-virus capability
- On-board VGA, Ethernet disable selectable
- Customized power-on screen (for OEM project)
- DMI BIOS Support: Desktop Management Interface (DMI) allows users to download system hardware-level information such as CPU type, CPU speed, internal & external frequencies and memory size
- Supports system soft power-off (via ATX power supply)

Host Memory
- Three 168-pin DIMM sockets, Max. 768MB SDRAM
- PC-100 SDRAM with or without ECC capability Chipset
- Optimized SDRAM supported

Ethernet
- Intel 82559 10 BaseT /100 BaseTX supports Wake on LAN (WOL) and optional Alert-On LAN II (AOL2)

On-board SCSI (optional)
- LSI (SYMBIOS) 53C895 Single Channel Ultra 2 Wide SCSI controller
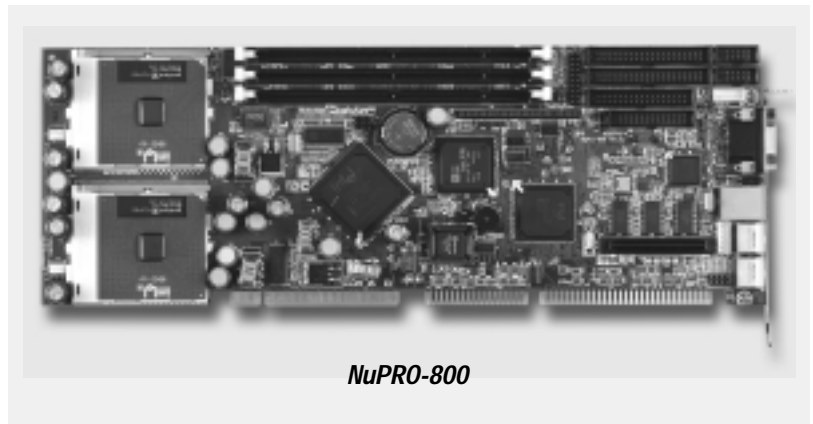
IDE Ports
- Bus Master IDE controller, two EIDE interfaces for up to four IDE devices, including HDD, ATAPI CD-ROM, LS120, and ZIP drives
- Supports PIO Mode 3/4 or Ultra DMA/33 IDE device

On Board Super I/O
- Winbond W83977EF
- One high-speed bi-directional SPP/EPP/ECP parallel port with ESD protection to 4KV and downstream device protection to 30V
- One floppy interface, support two floppy drives (360KB, 720KB, 1.2MB, 1.44MB, 2.88MB)
- Two 16C550 UARTs compatible RS-232 COM ports with ESD protection to 2KV
- COM2 serial port is RS-232/422/485 selectable
- Supports 5-pin IrDA

USB Interface
- Two USB pin-header connectors
- Compliant with USB Specification Rev. 1.1.
- Individual over-current protection

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Watch-dog Timer
- Programmable I/O port 2Eh and 2Fh to configure watchdog timer, programmable timer 1~255 seconds or 1~255 minutes
- Bundled easy-programming library for DOS, Windows 95, 98, NT

Hardware Monitoring
- Winbond W83782D, monitoring CPU temperature, 2 CPU fans, system temperature and DC Voltages

VGA/LCD Display
- AGP-bus VGA/LCD controller SMI Lynx3DM SM721, with build-in 4M VRAM (8M VRAM available for OEM)
- 128-bit, single clock cycle 2D drawing engine
- High performance, power managed 3D acceleration engine
- AGP 2X, ACPI and VESA compliant
- Supports up to 1600x1200 resolution
- Simultaneous display for both VGA and LCD
- RAMDAC Latch-up protection

Other Features
- ISA high-drive capability 64mA
- Customized power-on screen (for OEM project)
- BIOS write protection, provide anti-virus capability

Flash Disk Supporting
- Supports DOM (8MB~2GB) IDE flash module

PCB Dimension: 338 (L) x 122 (W) mm. Full-sized
Operating Temperature: 0 to 60ºC

Ordering Information

NuPRO-800
Full-Size Dual Pentium-III SBC with AGP-VGA/Ethernet/WOL/SCSI

NuPRO-801
Full-Size Dual Pentium-III SBC with AGP-VGA/Ethernet/WOL